

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 3/15/2010

Contract ID 091120-701

Job No. J7P2163

County ST. CLAIR 13

Original Bid Cost \$ 2,633,154.49

Contractor APAC-MISSOURI, INC.

By DAVID B. TAG, P.E.

Designed By APAC-MISSOURI, INC.

Phone (573) 449-0886

VECP# 10-25 (to be completed by C.O.)

VECP ☐ or VEC/PDU ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The original plans called for water traffic control - "Boats Keep Out" Signs, "Boats No Wake" Signs, "Keep Out" Buoys, and "No Wake" Buoys for the bridge work over the water. APAC and Thomas Industrial will instead place an engineered SAFESPAN platform system entirely under the bridge. This will contain all the bridge work, debris, and drop hazards with a solid metal platform that includes handrails and toe boards. This platform will only be a few feet below the existing girders. There will be no work taking place from the water surface and no impact to boats.

2. Estimate of reduction in construction costs. \$ 10,160.00 A detailed summary is attached.

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

APAC foresees no costs to maintenance or operations.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

March 15, 2010
(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

April 15, 2009
(date)

Time to install buoys if they are still required
(effect)

6. Dates of any previous or concurrent submission of the same proposal.

None
(date and/or dates)



APAC-Missouri, Inc.

1591-A East Prathersville Road
Columbia, MO 65202
P.O. Box 1117
Columbia, MO 65205
Tel: 573 449-0888, Fax: 573 449-2980

March 15, 2010

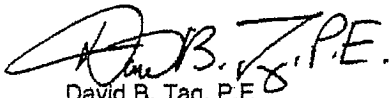
Mr. Randy Aulbur, R.E.
MoDOT Nevada Project Office
PO Box 217
Nevada, MO 64772

RE: Route 13, St. Clair, Job No. J7P2163, Contract I.D. No. 091120-701

Dear Mr. Aulbur:

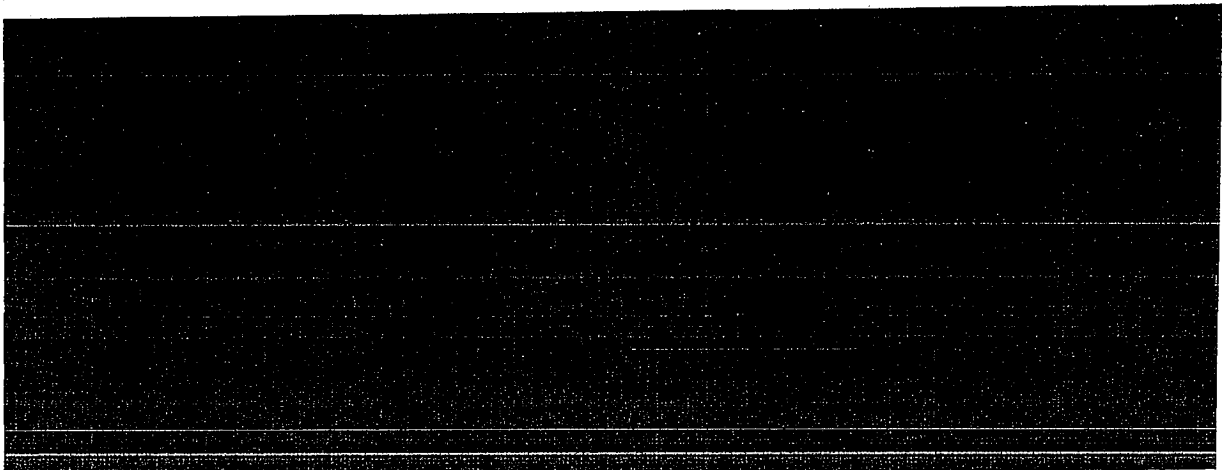
Please find attached a value engineering proposal for the above referenced project for your review. If this proposal is acceptable, please place it on the next available change order.

Sincerely,
APAC-Missouri, Inc.


David B. Tag, P.E.
Area Manager

Cc: Job File

 **Safety First** *Always*



Additional Comments:

VE - Change in construction method will create the savings.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

In conjunction with the water patrol, we have worked together and agreed to a system as described in this proposal. The installation of the safe open system will protect the heating public.

Submitted By Resident Engineer

Date

Comments:

I concur



Approval
Recommended

Becky Balty

District Engineer

3-29-10

Date



Rejection
Recommended

Comments:

NOT FEDERAL OVERSIGHT



Approval
Recommended



Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

APPROVED PER DISTRICT RECOMMENDATION
AT 50150 SPMT



Approval

David D. Gorman

State Construction and Materials Engineer

3-30-10

Date



Rejection

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer,
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

Route 13, St. Clair Co., - J7P2163 - VE Proposal Summary

Items to be affected

Item #	Description	Qty. affected	Unit	Cost	New Cost	Saved	What will be saved
240	Boats Keep Out Sign	4	EA	\$ 1,250.00		\$ 5,000.00	Additional embankment in lieu of base
250	Controlled Area Buoy	16	EA	\$ 95.00		\$ 1,520.00	Additional embankment w/ 2-1/4" less Bit Base
260	Boats No Wake Sign	2	EA	\$ 1,250.00		\$ 2,500.00	Base rock omitted
270	Restricted Area Buoy	12	EA	\$ 95.00		\$ 1,140.00	Bit. Base reduction from 10-1/4" to 8"
				TOTAL	\$ 10,160.00		

VE SPLIT \$ 5,080.00

Contract ID: 091120-701

Fed St/Pr Proj Nbr: FAF-13-2(58)

Status: Active

Primary PCN: J7P2163

District: 07

OrgCode: 7CG

Funding

☒ Federal

☐ State/Province

☐ Both

Progress Sched:

Variance Pct: .00

Desc: J7P2163 - ROUTE 13 - ST CLAIR COUNTY

Time Charges: Completion Date

Bid Days: 274

Bid Amt: \$3,311,334.49

Contract Type: Construction Project Above \$500,000

☐ Fed Oversight

☐ Local Oversight

Work Type: BRIDGE CONSTRUCTION OR REHABILITATION

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr: 1996

Alt ID:

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- X Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

____ Install SAFESPAN platform under bridge to eliminate the need for restricting boat traffic.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

SCAN ENTIRE DOCUMENT
